

Listing of Claims:

This listing of claims reflects all claim amendments and replaces all prior versions, and listings, of claims in the application. Material to be inserted is in **bold and underline**, and material to be deleted is in ~~strikeout~~ or (if the deletion is of five or fewer consecutive characters or would be difficult to see) in double brackets [[]].

1. (Currently Amended) A needle-free jet injection device for delivering a fluid into an internal organ, the device comprising:

a rigid end effector having a blunt distal end and including at least one injection orifice disposed on a sidewall of the end effector, the end effector having a longitudinal axis configured into a shape wherein the end effector is sufficiently rigid to maintain the shape of its longitudinal axis during use; the end effector being adapted to be positioned within a prostatic section of a patient's urethra adjacent the patient's prostate gland, wherein the at least one injection orifice is oriented generally laterally to the longitudinal axis of the end effector;

a fluid reservoir in fluid communication with the end effector; and

an ejection mechanism adapted to eject the fluid from the fluid reservoir through the end effector and out of the injection orifice ~~with sufficient at a pressure to penetrate the prostate gland while preserving functionality of the prostate gland between about 643 psig and about 2001 psig.~~

2. (Original) The device of claim 1, wherein the rigid end effector includes a plurality of injection orifices.

3. (Original) The device of claim 2, wherein the end effector includes a straight shaft section and a distal section.

4. (Original) The device of claim 3, wherein at least some of the injection orifices are located in the distal section.

5. (Original) The device of claim 4, wherein all of the injection orifices are located in the distal section.

6. (Original) The device of claim 1, wherein the ejection mechanism is further adapted to allow the device to eject multiple doses of fluid without refilling the fluid reservoir.

7. (Original) The device of claim 1, wherein the fluid includes ethanol.

8. (Original) The device of claim 2, wherein at least some of the injection orifices are arranged linearly along the length of the end effector.

9. (Currently Amended) The device of claim 2[[1]], wherein the injection orifices are arranged in multiple rows along the length of the end effector.

10. (Original) The device of claim 9, wherein the rows are offset from each other.

11. (Currently Amended) A needle-free jet injection device for delivering a fluid into an internal organ, the device comprising:

a fluid reservoir;

a longitudinally rigid extension structure adapted to be inserted within a patient's urethra so that a distal region of the extension structure is positioned adjacent the patient's prostate gland, wherein the distal region of the extension has an at least partially hollow interior that fluidly communicates with the fluid reservoir, wherein the extension structure is sufficiently rigid to maintain a longitudinal shape during use, wherein the distal region has a blunt distal end; and

an ejection mechanism adapted to eject the fluid from the fluid reservoir through the extension structure and out of a plurality of injection orifices provided in a sidewall of the distal region of the extension structure with sufficient pressure to penetrate the prostate gland while preserving functionality of the prostate gland, wherein the ejection mechanism comprises a plunger powered by a gas cartridge, wherein at least some of the orifices are oriented in a direction generally lateral to a longitudinal axis of the extension structure.

12. (Canceled)

13. (Original) The device of claim 11, wherein the fluid includes ethanol.

14. (Original) The device of claim 11, wherein at least some of the injection orifices are arranged linearly along the length of the extension structure.

15. (Original) The device of claim 11, wherein the injection orifices are arranged in multiple rows along the length of the extension structure.

16. (Original) The device of claim 15, wherein the rows are offset from each other.

17. (Previously Presented) The device of claim 11, wherein at least some of the orifices are oriented in a direction generally lateral to a longitudinal axis of the distal region of the extension structure.

18. (Currently Amended) A needle-free jet injection device for delivering a fluid into selected internal tissue, the device comprising:

a rigid end effector having a blunt distal end and at least one injection orifice disposed on a sidewall of the end effector, the end effector being adapted to be positioned with the injection orifice adjacent the selected internal tissue, the end effector having a longitudinal axis configured into a shape wherein the end effector is sufficiently rigid to maintain the shape of its longitudinal axis during use, wherein the end effector includes a straight shaft section and a distal section, at least a portion of a longitudinal axis of the distal section is not collinear with a longitudinal axis of the straight shaft section, and the at least one injection orifice is oriented generally laterally to the longitudinal axis of the end effector;

a fluid reservoir in fluid communication with the end effector; and

an ejection mechanism adapted to eject the fluid from the fluid reservoir through the end effector and out of the injection orifice with sufficient pressure to penetrate the selected internal tissue while preserving functionality of the tissue, wherein the ejection mechanism may be adjusted to provide an appropriate system pressure for the selected internal tissue.

19. (Previously Presented) The device of claim 18, wherein the ejection mechanism is configured to provide a rise time to a peak pressure, wherein the rise time is selected to preserve functionality of the tissue.

20. (Previously Presented) The device of claim 19, wherein the peak pressure is selected to preserve functionality of the tissue.

21–22 (Canceled)

23. (Previously Presented) The device of claim 1, wherein the shape of the longitudinal axis of the end effector is generally straight.

24–26 (Canceled)

27. (Previously Presented) The device of claim 19, wherein the rise time to peak pressure is 1.6 msec.

28. (Currently Amended) The device of claim 20, wherein the peak pressure is between about 643 psig and about 2001 psig.

29. (New) The device of claim 11, wherein the gas cartridge is a replaceable carbon dioxide (CO₂) cartridge.

30. (New) The device of claim 18, wherein at least a portion of the longitudinal axis of the distal section is angled relative to the longitudinal axis of the straight shaft section.

31. (New) The device of claim 18, wherein the distal section is curved.